

August 20, 1986

VDU-2K AND UPGRADE COMPONENTS

Special Offer to Existing VDU-K Purchasers

A new printed circuit board is now in stock for the Interak. It is called "VDU-2K". We have developed it from the original VDU-K, with grateful thanks to Bob Eldridge (Editor of the Interaktion User Group Newsletter) for his encouragement in the project, his support for the improved format, and the invention of the very appropriate name for the new board: "VDU-2K".

The main extra features are that the new board has are as follows:

- * The completed VDU-2K board is convertible from 32-column to 64-column operation without soldering, simply by changing the positions of push on jumper links.
- * If 64K of RAM is available in the system the VDU-2K allows 32 and 64-column operation with "no snow".
- * Has 28-pin "byte wide" sockets for all EPROM and RAM.
- * An extended timing generator in 4K EPROM or larger allows front panel selection of 24 row and 25 row screens.
- * Extended character generator in 8K EPROM or larger allows front panel selection of 2 "Alternative Character" Sets, instead of the normal "inverse video" character set.
- * Retains the majority of the existing chips in the original design, thus allowing an upgrade at modest cost.

An upgrade kit has been defined for those existing VDU-K users who wish to purchase the new VDU-2K. Also there is a substantial reduction for the extra components required - the reduction will help soothe the pain of discarding the old card, since it is approaching the original price paid for the VDU-K!

New replacements are included in the special offer for most of the soldered components, and the rest can be removed from the VDU-K board: integrated circuits, DIL switch, front panel and components, modulator (if fitted).

Now that all users can have a 64 column VDU-2K, we expect that this will become the new standard for Interak, and very few people will continue with the original 32 columns.

The VDU-2K board costs 18.75 + VAT, and the upgrade kit of components is as specified on the enclosed price list, which includes details of the special offer.

COMPONENT PRICE LIST FOR 2K UPGRADE FOR VDU-K
(Prices exclude VAT)
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Resistors 0.25W		
not used	3	R13,16,24
CR2530K	4	R14,19,20,21
CR2510K	7	R4,6,9,11,12,15,22
CR251K5	1	R3
CR256K8	1	R2
CR2510K	6	R1,7,8,10,17,18,23,5'
CR2510H	1	R5
Variable Resistor (Hittite)	1	R1
MULTI50K	1	R1
Capacitors		
("CER" = Ceramic; "NDC" = 47n - 100n Decoupling grade polyester, or Ceramic; "NAL" = Low Leakage Aluminium Electrolytic)		
CER22 5% 100uF	3	C4,5,6
CER22 5% 100uF	1	C1
DEC	12	C1-3,8-14,17,18
NAL22V	1	C15,16,19
Diodes		
1N4002	1	CR1
1N4148	1	CR2
Quartz Crystal		
12.0M	1	Y1
Integrated Circuits (Use Sockets)		
6116	1	U27
74H04	1	U9
74LS08	1	U22
74LS74	1	U1
74LS221	1	U5
CC2	1	U24
TC2	1	U3
Front Panel Switch		
HCSP3	1	
Switch Pack SV2KUC (S2)		
1.15	1	
Switch Pack SV2KUC		
1.15	1	
DIL & SIL Sockets		
95CON	1	SIL 1
DIL14	14	U1,5-13,15,16,21,22
DIL16	7	S1: U4,14,17-19,23
DIL20	3	U20,25,26
DIL28	3	U3,24,27
DIL40	1	U2
3.95	1	DIL & SIL Socket Pack SV2KUC

2KUC COMPONENT PRICE LIST continued

0.1" Pitch Pin Assemblies		
not used	7	P4,B,11,11',14,15,16
PINASY3	14	P1,2,3,6,7,9,10,10',12,13,17',18,19,20
PINASY4	2	P9',P17
PINASY5	1	P5
Sundry		
Push fit Shorting Links	17 off	JL1NK
Pre-stripped Insulated Wire for Links:	10 off	PSW38
28mm (Including some spares)	10 off	PSW38
Silicone Rubber Sleeve Inc. spare (UHF Modulator output insulation):	2 off	SLVH15P
20mm x 1.5 mm dia. precut	2 off	SLVH15P
75mm (to connect J1)	1 off	TCN2475
Solder Tag (for connecting J1)	1 off	STAG13
Sundry Pack SV2KUC		
3.54	1	
Total cost of kit of all parts listed so far: 2KUC		
30.36	1	
SPECIAL OFFER! (Only to those purchasers of the new VDU-2K who have already purchased the old VDU-K) - Spectacular Savings!		
1.50	1	
All parts listed above		
SPECIAL OFFER	1	
2KUC	1	
OPTIONS (i.e. Items not included in standard kit of parts)		
VDU-2K p.o.b., sold separately as "VDU2K"	1	
Manual, sold separately as "VDU2K" (Zero Rated for VAT)	2.50	
HOTCOG	2.00	
HDV2K	18.75	
HDV2K	2.50	
UM123336	4.25	
ESP2	0.48	
CF1	2.99	
OCF1	3.99	
TC2	1.15	
HCSP3	0.97	
HCSP2	0.97	
TCVCH	0.44	
BNCHN	1.15	
TVL21	1.06	
W28300	5.97	
412.5 Fixings. Generally Steel, Posistiv (For fixing J1 to card front).	2 off	
Screws 10mm Panhead Posistiv Screws	2 off	
Settled Washers	2 off	
Washers	2 off	
Above items sold in packs containing 10 each screws, washers, nuts:	per pack	12.5-10 0.42
Add 50p handling charge to each transaction, and 15% VAT.		
Greenbank Electronics,		
92 New Chester Road,		
New Ferry, Wirral,		
L62 5AC		
Access/Vias Helicome (no surcharges).		
Telephone:- 051-645 3391		